iRobot®

Roomba®

Vacuuming Robot

900 Series
Owner's Guide

Important Safety Instructions

⚠ WARNING: TO REDUCE THE RISK OF INJURY OR DAMAGE, READ THE FOLLOWING SAFETY PRECAUTIONS WHEN SETTING UP, USING, AND MAINTAINING YOUR ROBOT.

EN

THIS APPLIANCE MAY ONLY BE USED BY CHILDREN AGED 8 YEARS AND ABOVE AND PERSONS WITH REDUCED PHYSICAL, SENSORY, OR MENTAL CAPABILITIES OR LACK OF EXPERIENCE AND KNOWLEDGE IF THEY HAVE BEEN GIVEN SUPERVISION OR INSTRUCTION CONCERNING USE OF THE APPLIANCE IN A SAFE WAY AND UNDERSTAND THE HAZARDS INVOLVED. CHILDREN MUST NOT PLAY WITH THE APPLIANCE. CLEANING AND USER MAINTENANCE MUST NOT BE CARRIED OUT BY CHILDREN WITHOUT SUPERVISION.

⚠ WARNING: TO AVOID ELECTRIC SHOCK DO NOT EXPOSE THE ELECTRONICS OF YOUR ROBOT, OR THE INTEGRATED DOCK-CHARGER KNOWN AS HOME BASE. THERE ARE NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL. DO NOT HANDLE YOUR ROBOT AND HOME BASE™ WITH WET HANDS.

EN

Important Safety Instruction (cont.)

- Heed all warnings on your robot and its parts.
- ⚠ **WARNING:** Risk of electric shock, use indoors in dry locations only.
- Your robot is not a toy. Do not sit or stand on this device. Small children and pets should be supervised when your robot is operating.
- Store and operate your robot in room temperature environments only.
- Do not use this device to pick up sharp objects, glass, or anything that is burning or smoking.
- Do not use this device to pick up spills of water, bleach, paint, other chemicals, or anything wet.
- Do not spray or pour liquids on your robot.
- Before using this device, pick up objects like clothing, loose papers, pull cords for blinds or curtains, power cords, and any fragile objects. If the device passes over a power cord and drags it, there is a chance an object could be pulled off a table or shelf.
- If the room to be cleaned has a balcony, a physical barrier should be used to prevent access to the balcony and ensure safe operation.
- Do not place anything on top of your robot.
- Be aware that the robot moves on its own. Take care when walking in the area that the robot is operating in to avoid stepping on it.
- Do not operate the robot in areas with exposed electrical sockets in the floor.
- ⚠ **WARNING** Shock Hazard: Your robot comes with a region approved power supply cord. Do not use any other power supply cord. For replacement cords, please contact Customer Care to ensure the proper selection of a country-specific power supply cord.
- This robot is intended for dry floor use only.
- ⚠ **WARNING** Shock and Fire Hazard: This product is designed to be plugged into a standard electrical socket only. The product may not be used with any type of power converter. Use of power converters will immediately void the warranty.
- Do not use non-rechargeable batteries. Use only the rechargeable battery supplied with the product. For replacement, purchase an identical iRobot battery or contact iRobot Customer Care for alternative battery options.
- ⚠ **CAUTION**: Only charge one of the following iRobot batteries: maximum 14.8V, maximum 3000mAh Ni-MH, or maximum 3300mAh Li-ion battery. Other type of batteries may burst causing injury. Always contact Customer Care to ensure the correct replacement of your battery.
- ⚠ **WARNING** Shock Hazard: Do not use a Home Base with a damaged cord or plug. If the cord or plug is damaged, it must be replaced.
- Always charge and remove the battery from your robot and accessories before long-term storage or transportation.
- If you live in an area prone to electrical storms, it is recommended that you use additional surge protection. Your robot's Home Base must be protected with a surge protector in the event of severe electrical storms.
- ⚠ **WARNING** Shock Hazard: Always disconnect your robot from the Home Base before cleaning or maintaining it.
- Before every use, check the battery pack for any signs of damage or leakage. Do not charge damaged or leaking battery packs.
- ⚠ **WARNING** Chemical Exposure: If the battery pack is leaking, do not allow the liquid to come in contact with skin or eyes. If contact has been made, wash the affected area with copious amounts of water and seek medical advice. Place the battery in a sealed plastic bag and dispose of safely according to local environmental regulations. You should return it to your local authorised iRobot Service Centre for disposal.
- The battery pack must be removed from the robot before disposal.
- ⚠ **WARNING** Fire or Explosion Hazard: Do not crush or dismantle battery packs. Do not heat or place the battery pack near any heat source or in direct sunlight. Do not incinerate or short-circuit the battery pack. Do not subject batteries to mechanical shock.
- Do not immerse the battery pack in any liquid.
- Contact your local waste management authority for more information on battery recycling and disposal regulations in your area.





This symbol on the product or its packaging indicates:
Do not dispose of electrical appliances or batteries as unsorted municipal waste, use separate collection facilities. Contact your local authority for information regarding the collection systems available. If electrical appliances are disposed of in landfills or dumps, hazardous substances can leak into the groundwater and get into the food chain, damaging your health and well-being. Please contact your local or regional authority for more information on collection, reuse, and recycling programmes.

Table of Contents

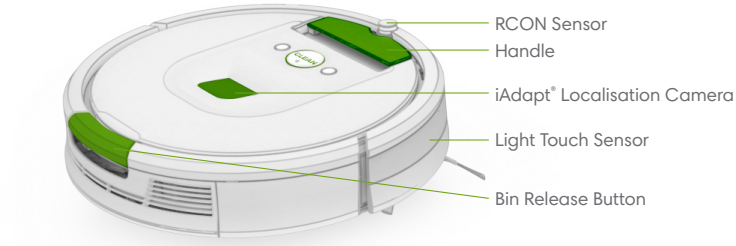
EN

Important Safety Instructions.....i
About Your Robot..... 2
Using Your Roomba® 3
Dual Mode Virtual Wall® Barriers 4
Regular Robot Care 5
Troubleshooting 9
iRobot Customer Care..... 10

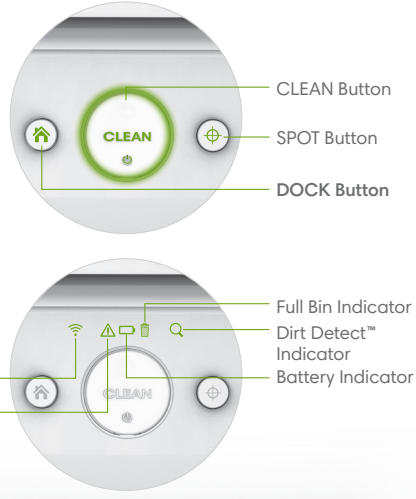
About Your Robot

EN

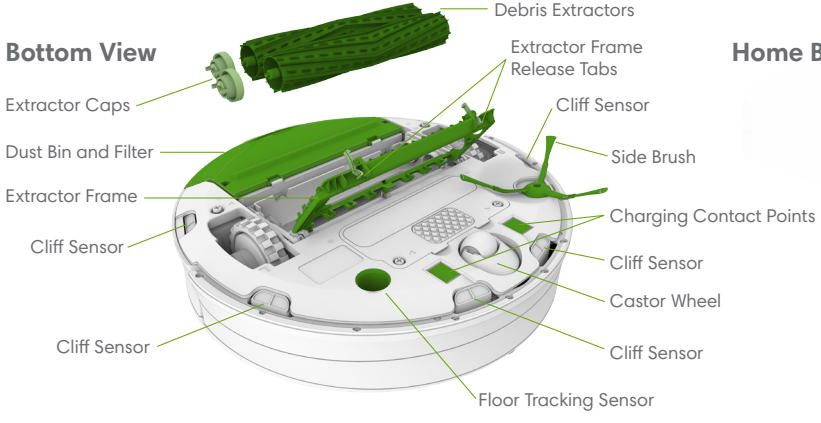
Top View



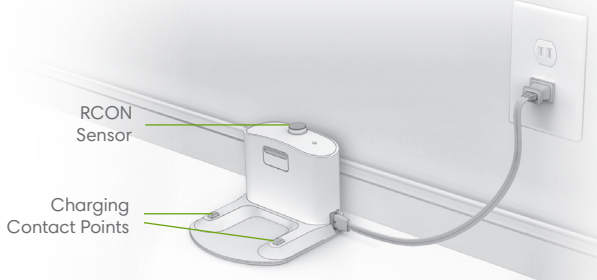
Buttons & Indicators



Bottom View



Home Base



Using Your Roomba

EN

Positioning the Home Base®

Place the Home Base in an open, uncluttered area, leaving the following distances around the Home Base:

- At least 1.5 feet (0.5 metres) on each side of the Home Base
- At least 4 feet (1.2 metres) in front of the Home Base, and at least 4 feet (1.2 metres) away from stairs
- At least 8 feet (2.4 metres) from Virtual Wall Barriers

Always keep the Home Base plugged in and make sure it is in an area with consistent Wi-Fi® coverage to allow Roomba to receive information via the iRobot HOME App.

Download the iRobot HOME App and connect to Wi-Fi®:

- Watch an overview video with instructions on how to set-up and use your Roomba
- Set an automatic cleaning schedule (up to 7 times per week) and customise cleaning preferences
- Enable automatic software updates
- Access to tips, tricks, and answers to commonly asked questions

Download on the App Store

GET IT ON Google Play

Use Instructions

- Turn your robot over and remove the bin insert and battery pull tabs. Then place Roomba on the Home Base to activate the battery.
- Roomba has a partial battery charge, so it's ready to start cleaning.

Note: Roomba ships with a partial battery charge. If you start a cleaning cycle before charging the battery fully, Roomba may return to the Home Base to recharge sooner than it will during future cleaning cycles. To fully charge the battery before the first cleaning cycle, allow Roomba to charge on the Home Base for 3 hours.

Note: Remove excess clutter from floors before cleaning (e.g. clothing, toys, etc.). Use Roomba frequently to maintain well-conditioned floors.

- If its battery gets low before finishing a cleaning cycle, Roomba returns to the Home Base to recharge. It will not play a tone when it docks and its CLEAN button will pulse with the battery indicator ( ).
  - » After its battery has been recharged, Roomba automatically returns to where it left off and completes the cleaning cycle.
  - » You can check the iRobot HOME App for a current status of your Roomba.
- If Roomba is returning to recharge after completing a cleaning cycle, it will play a series of tones to indicate successful completion of the cleaning cycle.
- To pause Roomba during a cleaning cycle, press CLEAN.
- To resume the cleaning cycle, press CLEAN again.
- To end the cleaning cycle and put Roomba in standby mode, press and hold CLEAN until Roomba's indicators turn off.
- To send Roomba back to its Home Base during a cleaning cycle, press CLEAN and then (DOCK) on Roomba or press CLEAN on the iRobot HOME App main screen. This will end the cleaning cycle.

EN

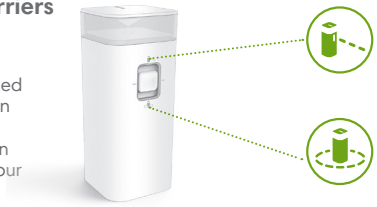
- If Roomba encounters an area of high debris concentration, it will move in a forward/backward motion to clean the area more thoroughly. When Roomba does this, you will see the Dirt Detect™ indicator illuminate.
- To use SPOT Cleaning, place Roomba on top of the localised debris and press (SPOT) on the robot. Roomba will intensely clean the area by spiraling outward about 3 feet (1metre) in diameter and then spiraling inward to where it started.
- When Roomba senses that its dust bin is full, it is programed to complete its cleaning cycle by default. You can adjust this setting under Cleaning Preferences in the iRobot HOME App.
  - » Roomba won't leave the Home Base for a cleaning cycle if its bin is full. In this case, remove and empty the bin, then reinsert it before starting or resuming a cleaning cycle.

Note: After each use, empty the bin, and clean the filter.

- Always store Roomba on the Home Base so it's charged and ready to clean when you need it. Indicator lights will turn off after 60 seconds to conserve energy while Roomba is charging. Check status of the battery by pressing the CLEAN button to illuminate the Battery Indicator. Indicator will appear amber while the battery is charging and solid green when fully charged. Charging status can also be viewed in the iRobot HOME app.
- If storing away from the Home Base, remove the battery first and then store Roomba and the battery in a cool, dry place.

Using Dual Mode Virtual Wall Barriers

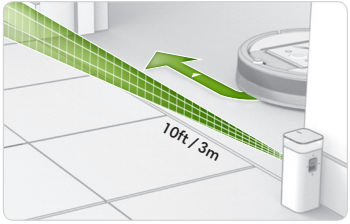
(optional accessory for all models)



The Dual Mode Virtual Wall barrier keeps Roomba in the places you want to be cleaned — and out of the ones you don't. In between cleaning cycles, you can leave the device operating in its position on the floor. You can set your device to one of two modes to fit your home's cleaning needs:

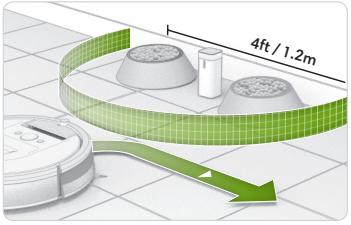
Note: Under normal use, batteries will last 8-10 months. If you are not planning on using your Virtual Wall device for an extended period of time and you would like to store it, be sure to switch it to the "Off " (middle) position.

Virtual Wall Mode: When the switch is in the "up" position (), the device functions as a Virtual Wall. This means that you can set it to block openings of up to 10 feet (3 metres). It creates an invisible, cone-shaped barrier that only Roomba can see.



Note: This barrier gets wider as it gets further from the device (refer to illustration).

Halo Mode: When the switch is in the "down" position (), the device creates a protective zone that Roomba will not enter. This prevents Roomba from bumping into items you want to protect (e.g. a dog bowl or vase) or crossing into undesired areas (e.g. a corner or under a desk). The Halo is invisible and reaches approximately 24 inches (60 centimetres) from the centre of the device.



Regular Robot Care

To keep Roomba running at peak performance, perform the following care procedures. If you notice Roomba picking up less debris from your floor, then empty the bin, clean the filter, and clean the extractors.

EN

Robot Part	Care Frequency	Replacement Frequency
Bin	After each use	-
Filter	Once per week (twice per week in homes with pets)	Every 2 months
Full Bin Sensors	Once every 2 weeks	-
Front Castor Wheel	Once every 2 weeks	Every 12 months
Side Brush Cliff Sensors Charging Contacts iAdapt Localisation Camera Floor Tracking Sensor	Once per month	-
Extractors	Once every 4 months (once every 3 months in homes with pets)	Every 6-12 months

Note: iRobot manufactures various replacement parts and assemblies. If you think you need a replacement part, please contact iRobot Customer Care for more information.

EN

Emptying the Bin

1. Press bin release button to remove bin.



2. Open bin door to empty bin.

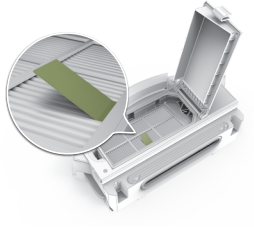


Note: If the Full Bin indicator ( ) comes on at any time during a cleaning job, you can always pause the cleaning job to empty the bin and then continue cleaning.

If the Full Bin indicator ( ) is illuminated, but the bin does not appear to be full, refer to Full Bin sensor cleaning instructions.

Cleaning the Filter

1. Remove filter by grasping the tab.



2. Shake off debris by tapping the filter against the side of your household waste bin.



Important: The filter door won't close unless a filter is reinserted. Insert the filter with the tab facing up. Replace the filter every two months.

Cleaning the Full Bin Sensors

1. Remove and empty the bin.



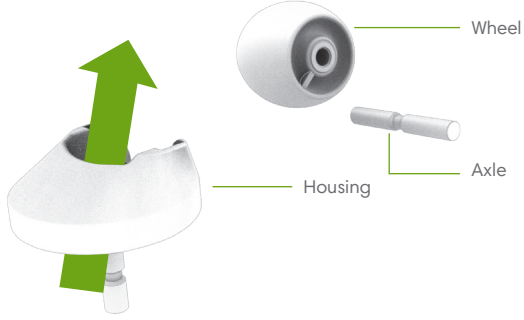


2. Wipe the inner and outer sensor ports on the bin with a clean, dry cloth.



Cleaning the Front Castor Wheel

1. Pull firmly on the front wheel to remove it.
2. Remove any debris from inside the wheel cavity.
3. Spin the wheel by hand. If rotation is restricted, remove the wheel from its housing and push firmly to remove the axle and clear any debris or hair wrapped around it.
4. Reinstall all parts when finished. Make sure the wheel clicks back into place.



⚠ **Important:** A front wheel clogged with hair and debris could result in floor damage.

Cleaning the Side Brush

1. Use a coin or small screwdriver to remove the screw.
2. Remove the brush, clean the brush and the brush post, and then reinstall the brush.



EN

EN

Cleaning the Sensors and Charging Contacts

1. Wipe the sensors with a clean, dry cloth. Do not spray cleaning solution directly onto the sensors or sensor openings.



2. Wipe the charging contacts on Roomba and the Home Base with a clean, dry cloth.





Cleaning the Extractors

1. Pinch the yellow extractor frame release tabs, lift up the extractor frame and remove any obstructions.



2. Remove the extractors and then the yellow extractor caps. Remove any hair or debris that has collected underneath the caps and around the metal axles. Reinstall the extractor caps.

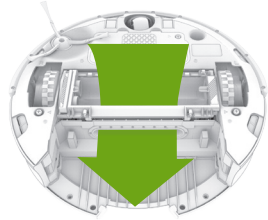


3. Remove hair and debris from the square and hexagonal plastic pegs on the other side of the extractors.



4. Clear the vacuum path.

5. Reinstall the extractors. Match the colour and shape of the extractor pegs with the colour and shape of the extractor icons on the cleaning head module.



Troubleshooting

Roomba will tell you something is wrong with a two-tone distress sound followed by a spoken message. The troubleshooting indicator (⚠) will also blink. More detailed support and videos are available through the iRobot HOME App as well as online. If the problem is not resolved, visit www.irobot.com/Roomba900.

Rebooting Instructions

For some errors, rebooting Roomba may resolve the problem. To reboot Roomba, press and hold CLEAN for 10 seconds until all indicators illuminate, then release. When you release the CLEAN button, you will hear an audible tone signifying a successful reboot.

Note: If you use Roomba's scheduling feature, open the iRobot HOME App after rebooting to confirm that Roomba's schedule remains intact.

Reduced Power Standby Mode

Roomba consumes a small amount of power any time it is on the Home Base to ensure that it is ready for its next cleaning job as well as to maintain Wi-Fi connectivity. It is possible to put Roomba in a further-reduced power state when not in use. For instructions and more details on this Reduced Power Standby Mode, refer to the iRobot HOME App.

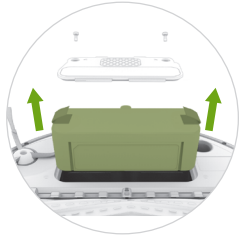
Lithium Ion Battery

For best results, only use the iRobot Lithium Ion Battery that comes with Roomba. While Roomba will operate with older-model batteries, its performance will be limited.

Important: Lithium ion batteries and products that contain lithium ion batteries are subject to stringent transportation regulations. If you need to ship this product (with the battery included) for service, travel, or any other reason, you MUST comply with the following shipping instructions:

- Remove the lithium ion battery from the product
- Place a piece of tape over the battery's metal charging contacts
- Reinstall the battery (with the tape on it) in the product and secure the battery door
- Package the product in its original packaging or in your own packaging that prevents any movement during transportation
- Ship via ground transportation only (no air shipping)





EN

iRobot Customer Care

EN

USA & Canada

If you have questions or comments about your Roomba, please contact iRobot before contacting a retailer. You can also find additional information on the iRobot HOME App.

You can start by visiting **www.irobot.com/support** for support tips, frequently asked questions, and information about accessories. Should you still need assistance, call our Customer Care team on **(877) 855-8593**.

iRobot Customer Care Hours:

- Monday to Friday, 9AM – 9PM Eastern Time
- Saturday and Sunday, 9AM – 6PM Eastern Time

Outside USA & Canada

Visit **global.irobot.com** to:

- Learn more about iRobot in your country
- Get hints and tips to improve your Roomba's performance
- Get answers to questions
- Contact your local support centre

Hereby, iRobot declares that the radio equipment type Roomba is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: http://www.irobot.com/compliance
The radio equipment operates in ISM band between 2412 and 2472 MHz with a maximum EIRP output power of 19.78 dBm (95.1 mW) at 2405 MHz.

© 2017 iRobot Corporation, 8 Crosby Drive, Bedford, MA 01730. All rights reserved. iRobot, Roomba, iAdapt, Home Base, and Virtual Wall are registered trademarks of iRobot Corporation. Dirt Detect is a trademark of iRobot Corporation. App Store is a trademark of Apple, Inc., registered in the U.S. and other countries. Google Play is a trademark of Google, Inc. Wi-Fi and the Wi-Fi logo are registered trademarks of Wi-Fi Alliance.

U.S. Pat. Nos. www.irobot.com/patents | Other Patents Pending. WC: 4597984 v1